

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A method of amplifying a template DNA molecule comprising:
PP incubating said template DNA molecule with a reaction mixture comprising a DNA polymerase and at least one accessory protein at a constant temperature to produce amplified product, wherein production of amplified product does not require exogenously-added oligonucleotide primers and said template DNA molecule does not have a terminal protein covalently bound to either 5' end.

2 – 10. (Canceled)

11. (Original) A method of amplifying a template DNA molecule comprising:
incubating said template DNA molecule with an *in vitro* reaction mixture comprising a DNA polymerase, a helicase, and a primase at a constant temperature to produce amplified product.

12 – 23. (Canceled)

24. (Original) A method of amplifying a template DNA molecule comprising:
incubating said template DNA molecule in an *in vitro* reaction mixture comprising a wild-type T7 DNA polymerase and a T7 DNA polymerase modified to have reduced 3' to 5' exonuclease activity, a 63-kDa form of a gene 4 protein from bacteriophage T7 and a single-stranded binding protein from *Escherichia coli* at a constant temperature to produce amplified product.

25 – 123. (Canceled)
